

BIBLIOGRAPHICAL RECORD.

(Continued from page 48.)

The date of publication, here given in brackets [], marks the time at which the work was received by the Editor, unless an earlier date of publication is known to him. An asterisk * before a title is the Recorder's certificate of accuracy of quotation. Corrections of errors and notices of omissions are solicited. — B. PICKMAN MANN.

Nos. 807 to 817 are from **Trans. Amer. Entom. Soc.** vol. v.

* 807. G. H. HORN. Notes on the Coleopterous fauna of Guadalupe Island. p. 198–201. [April, 1876.]

Location and climatic relations of the Island; notes on the faunal (Coleopterous) regions of west coast of N. A.; list of the 23 species collected by Palmer in 1875, with a list of the previously known habitats of the species; describes *Calosoma Palmeri*, *Coelotaxis*, *C. punctulata*, *C. muricata* = 1 n. g., 3 n. spp. [see *Coenonycha socialis* n. sp. in Rec., No. 806]; defines synoptically the (4) genera of Coniontini, viz.: Coniontis, Coelotaxis, Coelus, Eusattus.

* 808. W. H. EDWARDS. Description of new species of Diurnal Lepidoptera, found within the United States and British N. A. p. 202–208. [April, 1876.]

Describes *Colias Eriphyle* from British Columbia, *Argynnis Carpenterii* from New Mexico, *Euptychia Henshawi* from Ariz. and N. Mex., *Thanaos Alpheus* from N. M., *Hesperia Comus* from Tex., *H. Nereus* from Ariz., *H. Zampa* from Ariz. = 7 n. spp.; remarks upon the criterion of species and upon Scudder's undefined generic names of Hesperidae. Describes *Papilio Hippocrates* var. *Oregonia* n. var. from the Columbia River.

* 809. J. L. LÉCONTE. On the Affinities of Hypocephalus. p. 209–218. [Nov., 1876.]

Full description of the family and generic characters, and discussion of their significance. Bibliography of the genus. "This insect cannot properly be considered a member of any of the families, or even series of families of Coleoptera, as at present constituted," but "it is related to several of the series" and "represents a fragment of a very old fauna," of which the existing forms of insects contain a greater number of survivals than any other land animals, and can be recognized and separated, and are so numerous "that we will have a quite respectable mass of material for the partial reconstruction of the insect-fauna of past ages; especially if studied in connection with geographical distribution;—we would have by this depuration the evolutions of the present geological age more distinctly separated and defined in our systems of classification; and we would also be able to ascertain their proper connection (ideal or genetic, or both) with those which existed in past time." [See Rec., Nos. 580, 804.]

* 810. G. H. HORN. Description of a new species of

Dacoderus from the island of Santo Domingo. p. 219. [Nov., 1876.]

Describes *Dacoderus dominicensis* n. sp., compared with *D. striaticeps*; bearing of its occurrence on geographical distribution.

* 811. G. H. HORN. Synopsis of the species of Cymatodera and Trichodes of the United States. p. 220-232, fig., with fig. 1-17, 27, 28 of pl. i. [Nov., Dec., 1876.]

Defines synoptically 17 and describes the 20 species of Cymatodera; known, with bibliography; defines synoptically the (6) species of Trichodes describes as new: *Cymatodera Xanti* from Cape San Lucas, *C. Belfragei* from Texas, *C. oblita* from Arizona, *C. ———* and *C. ———* from Texas, *Trichodes illustris* (fig.) from Arizona = 6 n. spp. Figures the special characters of *Elasmocerus terminatus*.

* 812. G. H. HORN. The sexual characters of North American Cicindelidæ with notes on some groups of Cicindela. p. 232-240, fig., with fig. 18-26 of pl. i. [Dec., 1876.]

"The present paper is the first of a series in which the sexual characters of each genus in our fauna will be fully exposed, and noticing at the same time any special characters whether sexual or not, likely to prove useful to the systematist." Describes the sexual characters of the family and of *Amblychila*, *Omus*, *Tetracha*, *Cicindela*; habits of *Amblychila*; defines synoptically several closely similar species of *Cicindela*. Describes *C. Schauppüi* n. sp. from Texas. Figures the special characters of *Calosoma Sayi*.

* 813. G. H. HORN. Notes on some Coleopterous Remains from the bone cave at Port Kennedy, Penna. p. 241-245. [Dec., 1876.]

Palæontologic significance of the present geographical distribution of some Coleoptera; describes *Cychrus Wheatleyi*, *C. (minor)*, *Pterostichus* sp., *P?* sp., *Cymindis aurora*, *Chlaenius punctulatus*, *Dicaelus alutaceus*, *D.* sp., *Choeridium? ebeninum*, *Phanaeus antiquus*, *Aphodius precursor* = 11 n. spp. obtained from masses of clay found in a cave containing mammalian remains belonging to the Post-Pliocene period.

* 814. G. H. HORN. Synoptic tables of some Genera of Coleoptera with notes and Synonymy. p. 246-252. [Dec., 1876.]

Defines synoptically the (9) species of *Elaphrus*, (7) *Notiophilus*, (4) *Blethisa*, (10) *Carabus*, (1) *Perigona*, (3) *Pogonus*, (3) *Hydrocharis*, (8) *Tropisternus*, from own MSS. and those of G. R. Crotch, with generic and specific synonymy of several Carabidae, Dytiscidae and Hydrophilidae; adds *Anthrenus clariger*, *A. scrophulariæ*, *Aglenus brunneus*, *Pyvanisia opaca*, *Zophobas morio* to the list of N. A. Coleoptera, and excludes *Dytiscus latissimus*. [See Rec., No. 802.]

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* 815. G. H. HORN. Revision of the species of *Chlaenius* of the United States. p. 253-276. [Dec., 1876.]

Adaptation, for the determination of the species of our fauna only, of the synoptic tables given by Chaudoir (Annali Mus. Civ. Stor. Nat. Genova, 1876) for the determination of all the (more than 400) species of the world; defines synoptically 42 species of *Chlaenius*, 1 *Brachylobus*, 3 *Anomoglossus*; describes *Ch. interruptus* from Oreg., *Ch. maxillosus* from Fla., *Ch. texanus* from Tex., *Ch. floridanus* from Fla., *Ch. flaccidus* from Tex., *Ch. Chaudoiri* from Tex. and Mexico = 6 n. spp.; describes 36 not new species of *Chlaenius*; bibliography and synonymy of all the (46) species.

* 816. REV. HENRY C. MCCOOK. Notes on the architecture and habits of *Formica pennsylvanica*, the Pennsylvania Carpenter Ant. p. 277-289, with three plates (ii-iv). [Dec., 1876.]

Describes a formicary and its inhabitants, the habits of the ants and the destruction they occasion.

* 817. W. H. EDWARDS. New Species of Diurnal Lepidoptera. p. 289-292. [Dec., 1876.]

Describes *Argynnis Alcestis* from Northern Ills., Iowa and Col., *Chrysophanus Nais* from Southern Cal. and Ariz., *Hesperia Deva* from Ariz. = 3 n. spp.

* 818. The **Annales de la Societe Entomologique de Belgique**, T. xvi (1873), contain the following (in the *Comptes-rendus des Séances*), and Nos. 819 to 822.

a. Monstrosities observed in Coleoptera (by A. Preudhomme de Borre), p. xviii-xix, fig.; p. lviii; (by Léon Desguin) p. cxliv, fig. *b.* Discussion upon the definition of faunæ and of their limits and more especially of the limits of the European fauna (by E. Candèze), p. xiii-xiv, (by Edmond de Sélys-Longchamps) p. xxii-xxv, (by W. Roclofs) p. xxv-xxix, (by A. Preudhomme de Borre) p. xliii-liii. *c.* Reflections suggested by LeConte's classification of the *Pterostichi* of the U. S. (in Proc. Acad. Nat. Sci. Philad., 1873) [faunal works should not be made the basis of classifications] (by A. Preudhomme de Borre and J. Putzeys), p. cxxx-cxxxii. *d.* Abstract of Kirby's work on the Geographical Distribution of Diurnal Lepidoptera (in Journ. Linn. Soc., Zool., vol. xi, No. 55) [limits and characteristics of regions and faunæ; criticism of the work] (by A. Preudhomme de Borre), p. cxxxviii-clxiii. *e.* List of Members and Corresponding Societies, p. clvii-elxxii. *f.* Catalogue of the Library, p. 1-57.

* 819. J. PUTZEYS. Monographie des Calathides. p. 19-96. [Febr., 1874.]

Gives in detail the characters of *Calathus*, distinguishing therefrom the genera *Amphigynus*, *Calathidius* and *Thermoscelis*. Enumerates 2 spp. *Calathidius*, 87 (23 new) (*C. ovipennis* = 1 new N. A.; Nos. 59 [3 spp.],

67, 69, 70 [3 spp.], 78, 79 = 10 not new N. A.) spp. Calathus, 1 sp. Amphigynus, 1 sp. Thermoscelis. Adds notes on other species and a list of species.

* 820. R. MACLACHLAN. Notes sur les Myrméléonides décrits par M. le Dr. Rambur. p. 127-141. [Febr., 1874.]

Gives synonymy and notes upon 16 spp. Palpares, 7 (1 N. A.) spp. Acanthaelisis, 43 (1 new) (several N. A.) spp. Myrmeleon, 1 sp. Megistopus, 1 sp. Azesia [= Stilbopteryx].

* 821. S. H. SCUDDER. Note sur l'œuf et le jeune âge de la Chenille d'*Cœneis Aello*. p. 145-148, pl. i. [Febr., 1874.]

Describes the egg and young larva of *Oeneis aello*; defines the nomenclature of the external regions of the body of a larva divided longitudinally.

* 822. R. MACLACHLAN. Supplément aux Notes additionnelles sur les Phryganides décrites par le Dr. Rambur. p. 149-153. [Febr., 1874.]

Gives synonymy and notes upon 36 species, supplementary to the critical revision of Rambur's Phryganidae in *Annal. Soc. Entom. Belg.*, xiii, p. 5-12.

* 823. The **Annal. Soc. Entom. Belg.**, T. xvii (1874), contain the following (in the *Compt. Rend.*), and Nos. 824 and 825.

a. Note of rectification [synonymical notes on species of Adelocephala, *Ceroderes* = *Syssisphinx*, *Sphingicampa*; *Syssisphinx simulatilis* is found in Mexico] (by A. R. Grote), p. vi. *b.* Discussions upon nomenclature, pp. vii-xviii, xl-xliv, clvii-clix. *c.* Analytic abstract of various recent works upon parthenogenesis and embryogeny of insects (by A. Breyer), p. xxvi-xxx. *d.* How should entomological collections be displayed in museums?, pp. cxlvi-cxlviii, clix-clxvii.

* 824. J. PUTZEYS. Notice sur les Cicindèles et Caraïques recueillies dans l'Île d'Antigoa par M. Purves. p. 117-120. [July, 1874.]

List of 10 species, with notes; describes *Selenophorus propinquus*, *Tachys picturatus* = 2 n. spp.

* 825. G. VAN LANSBERGE. Observations sur la Classification des Lamellicornes Coprophages. p. 177-193. [Jan., 1875.]

Discusses the value of the characters in Ateuchidae, and divides the family into three tribes: Ateuchidae verae (2 sections and 10 genera), Canthonidae (2 sect., 21 gen.), Sisyphidae (4 gen.); the new genera are characterized in the *Col. Hefte*, xii [see *Bibl. Rec.*, No. 117].

* 826. The **Annal. Soc. Entom. Belg.**, T. xviii (1875), contain the following (in the *Compt. Rend.*), and Nos. 827 and 828.

a. How should entomological collections be displayed in museums? ; on the use of colored glass to protect collections from injury by light, pp. v-x, xxiii. *b.* Discussions about *Doryphora 10-lineata* [danger of its introduction into Europe; its habits; its systematic relations; interchange of insects in general between Europe and the United States (with lists)], pp. xii-xxii, xxvii, xxix-xxxvii, liv-lv, lxi-lxvi, cxxxv. *c.* Plan of formation of the biological entomological collections of the Museum of Comparative Zoology at Cambridge, Mass. (by H. A. Hagen), p. xlii-xliv. *d.* The genital apparatus of *Euryades Duponchellii* ♀ [compared with the egg-pocket of *Parnassius*]; *Papilio Alaska* = ? *P. Machaon* var. *asiaticus* (by H. A. Hagen), p. lv-lvi.

* 827. W. ROELOFS. Note sur les Curculionides recueillis par M. Purves a l'Île d'Antigua. *Compt. Rend.*, p. xxv-xxvi. [Aug., 1875.]

Describes *Diaprepes Purvesi* n. sp.; notes on a few other species.

* 828. DR. J. A. BOISDUVAL. Aperçu Monographique du Genre *Io* l'un des démembrements de la grande famille des Saturnides. p. 205-248. [Febr., 1876.]

Defends the name of the genus, taken from the name of one species; characterizes the genus; describes 71 (42 [36 S. A.] [6 N. A.] new) species. The new N. A. spp. are: Nos. 8 *I. Banus*, 28 *I. Cecrops*, 29 *I. Montezuma* Lucas, from Mexico, 19 *I. Godartii*, 31 *I. Mendosa*, from Mexico?, 27 *I. Fabricii* (with fig. of larva) [= *Bombyx Io* Fabr.] from U. S.

* 829. The **Annal. Soc. Entom. Belg.**, T. xix (1876), contain the following (in the *Compt. Rend.*), and Nos. 830 to 833.

a. On the distinctive characters of *Locustina* and *Gryllina* [reasons for considering that the *Gryllacrididae* and *Stenopelmatidae*, hitherto regarded as *Locustina*, should rather be transferred to the *Gryllina*] (by C. Stål), p. ix-xii. *b.* Experiments upon the effect of colored glasses in preventing the fading of specimens of insects exposed to the light [see *Rec.*, No. 826*a*] (by J. B. Capronnier), pp. xiii-xiv, li-lii. *c.* Systematic and synoptic table of the eight subgenera [*Ceratura*, *Anomalagrion*, *Ischnura*, *Amphiagrion*, *Oxyagrion*, *Acanthagrion*, *Xiphiagrion*, *Enallagma*] of the first part of the genus *Agriion*; summary of the characters upon which the subgenera are based (by E. de Selys-Longchamps), p. xxxv-xxxvii; similar table of the twelve subgenera [*Nehalennia*, *Agriion*, *Pyrrhosoma*, *Erythronma*, *Pseudagrion*, *Xanthagrion*, *Ceriagrion*, *Argiagrion*, *Anisagrion*, *Telagrion*, *Leptagrion*, *Erythragrion*] of the second part (by the same), p. xlvi-l. *d.* List of Members, p. cix-cxvii.

* 830. FELIX PLATEAU. Note sur une Sécrétion propre aux Coléoptères Dytiscides. p. 1-10. [Sept., 1876.]

Some Dytiscids emit a milky liquid from between the head and dorsal region of the prothorax, and an entirely different yellowish liquid from between the mesothorax and metathorax. These liquids are examined physically and chemically; the milky liquid compared with the blood and as to its action upon other animals. "The milky liquid is the product of unicellular cutaneous glandules; is a special liquid and not the blood of the insect; probably does not serve to determine the approach of the sexes; does not act at all as a poison upon other insects; cannot be a means of defence; does not serve to form a fatty coating upon the surface of the body."

* 831. BARON MAXIMILIEN DE CHAUDOIR. Monographie des Brachynides. p. 11-104. [Sept., 1876.]

[The author leaves out of this work the Brachynus of the U. S. (for which see Rev. et Mag. Zool., 1868) and of some other countries.] Notes and synonymy of many species; descriptions of new species and genera. Nos. 57-64, 68, 82, 83, 85, 88 of Brachynus = 14 Mexican spp., of which *B. elongatulus*, *B. azureipennis*, *B. rhytiderus*, *B. consanguineus*, *B. melanarthrus*, *B. Sallei* seem to be new. Alphabetic table of genera and species. [See T. xviii, Compt.-rend., p. ii-iv.]

* 832. JULES LICHTENSTEIN. Notes pour servir a l'Histoire des Insectes du Groupe des Phylloxériens, Homoptères formant la transition des Aphidiens aux Coccidiens. p. 164-177. [Febr., 1877.]

Systematic position of the Homoptera Anthogenesisia [Phylloxeridae], combining the characters of Aphidae and Coccidae, and divided into the genera Acanthohermes, Phylloxera and Rhizaphis. The development of *Rhizaphis vastatrix* is compared to that of a vegetal as follows: "In the spring, there is an egg under the bark of the vines; that is the seed. This egg hatches and from it issues a little aphid who is to become the mother foundress of the colony. This is the stem of the family. This mother lays numerous eggs; these are the branches. This lay takes place parthenogenetically. These numerous eggs, which I call bud-eggs, in distinction from the fecundated egg, give birth to myriads of aphids which are indifferently aerial or subterranean; these are the leaf-buds or the root-buds. . . . Summer arrives and then, quite like a plant which is about to flower, we see develop amid the colonies of the Phylloxera some insects larger than others, having stumps of wings; these are the nymphs, these are the flower-buds and fruit-buds. These nymphs issue from the earth; their skin splits, and a winged insect appears; this is the flower. This winged insect is neither male nor female, but, quite like a flower, carries within itself little envelops of different sizes. which it will lay on the leaves or bark of the vegetals that are to nourish its progeny. In the large envelo. 8

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is an apterous female, in the small are apterous males. Would you not call it a perfect analogy with the pistil and stamens which the flower contains? We have here, I think, the only example in entomology of a winged form being only transitory, serving only as a vehicle for the perfect sexual form, a real flying cocoon, if I may express myself so. The little apterous aphids which issue from these envelops have no rostrum, but are furnished with generative organs and couple as soon as born. The male dies soon after; the female lays a *sole egg* in the cracks of the bark or on the folds of the leaves. This is the only and the real egg, quite different from the bud-egg parthenogenetically laid, still more different from the egg of the winged insect which I consider a real pupa or chrysalis, for that is, I think, the only name meet for the envelop whence issues a perfect insect which couples immediately." "It is peculiar to" *Rhizaphis "castatrix"* that the production of winged individuals does not exhaust the subterranean colony; it is vivacious and, like bees and ants, is parthenogenetically reproduced for four years at least and probably even as long as the nourishment lasts." Notes on the habits of several species.

* 833. EUGENE DUGES, M. D. Description des Métamorphoses de *Minturnia dimidiata* Lac., Coléoptère du Groupe des Mégalostomides. p. 178-183, pl. i. [Febr., 1877.]

Describes the larva-cases, larva (fig.) pupæ (fig.) and manner of transformation of *Minturnia dimidiata*, found on the branches of *Schinus mollis* at Guanajuato, Mexico.

* 834. The **Proc. Acad. Nat. Sci. Philad.** for 1875 [see Rec., Nos. 258-263], from p. 153, contain the following, and Nos. 835 to 839.

a. Junction of the American Entomological Society with the A. N. S. Ph. as a Section thereof, pp. 504, 505. b. Entomological contributions to the Museum, p. 511.

* 835. A. R. GROTE. On *Orthosia ferrugineoides*. p. 328. [Aug., 1875.]

Synonymy of the species [see Rec., No. 263]; *O. ralla* is another species. "A name proposed for a variety cannot obtain against a name proposed for a species."

* 836. JOSEPH WILLCOX. On the Flight of Grasshoppers. p. 361. [Oct., 1875.]

Locusts were observed repeatedly in Colorado to descend to the ground before each shower of rain, taking flight again after the shower.

* 837. JOSEPH LEIDY, M. D. On *Mermis acuminata*. p. 400. [Nov., 1875.]

[*M. acuminata* is an internal parasite of the larva of *Carpocapsa pomonella* (see Rec., No. 314).]

* 838. A. R. GROTE. On North American Noctuæ. p. 418-427. [Dec., 1875 and Jan., 1876.]

Describes *Apateia Harvejana*, *A. (Eulonche) lanceolaria*, *Heliophila lapidaria*, *Hadena vultuosa*, *Mamestra vindemialis*, *M. Dimmocki*, *Lygranthoea limbalis*, *Aedophron Snowi*, *Agrotis introferens*, *A. campestris*, *A. gularis*, *Fala*, *F. ptycophora*, *Heliolithis luteitinctus*, *Tarache angustipennis* [? ang-], *Catocala Alabamæ* = 1 n. g., 14 n. spp.; re-describes *Cirrhophanus triangularifer* (fig.), *Agrotis cinereomacula*, *Parastichtis minuscula*; remarks on *Helotropha atra*; *Heliophila multilinea* Walk. = *H. commoides*, *Demas versicolor* Morr. is a *Hadena*, *Agrotis unimacula* Morr. (nom. praeocc.) = *A. haruspica*, *Mamestra rufula* Morr. (nom. praeocc.) = *M. lubens*; list of 5 spp. of *Catocala* to be added to previous lists [see Rec., Nos. 203, 217].

* 839. H. K. MORRISON. Notes on the Noctuidæ, with Descriptions of certain New Species. No. II. p. 428-436. [Jan., 1876.]

[See Rec., No. 263.] Describes *Panthea leucomelana*, *Agrotis Fernaldi*, *A. tristicula*, *A. hortulana*, *Mamestra quadrannulata*, *Metahadena*, *M. atrifasciata*, *Tapinostola variata*, *Taenioecampa vegeta*, *Orthosia immaculata*, *O. americana* [= Guenée's American specimen of "*Orthosia lota*?"], *Thalpocharis carmelita*, *Syneda ingeniculata*, *Homoptera galbanata* = 1 n. g., 13 n. spp.; *Leucania henrici* Grote, *L. evanidum* Grote, and perhaps *Ablepharon fumosum* Morr. = *Arsilonche alborensa*; *Orthosia minuscula* Morr. is a *Hadena*; *Taeniosea gentilis* Grote and *T. perbellis* Grote are *Dyschorista*.

* 840. The **Proc. Acad. Nat. Sci. Philad.** for 1876, contain the following, and Nos. 841 to 846.

a. Formation of the Entomological Section of the Academy of Natural Sciences of Philadelphia [list of members] [see Rec., No. 834 *a*], p. 66, [organization] p. 373. *b.* Entomological contributions to the Museum, p. 384.

* 841. H. STRECKER. Description of a New Species of *Ægiale* and Notes on some other Species of North American Lepidoptera. p. 148-153. [Sept., Nov., 1876.]

Describes *Ægiale Cofaqui*, *Cossus nanus*, *Arctia cervinoïdes*, *Cymatophora magnifica*, *Cosmia perophoroïdes*, *Phrygonis argentistriata* = 6 n. spp.; describes *Papilio Indra* ♀; *Parasa incisa* Harv. = *Euclea paenulata*.

* 842. J. L. LÉCONTE. Destructive Coleoptera. p. 195. [Nov., 1876.]

Occurrence of *Anthrenus scrophulariæ*, destroying carpets, in and near Albany, N. Y. [At the meeting of the Cambridge Entomological Club, Nov. 10, 1876, Dr. H. A. Hagen said that he had often had complaints made to him about the destruction of carpets and woollens by insects, and had received specimens of the pests, which he recognized immediately as some species of *Anthrenus*, and on raising the imago he had

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determined that it was *A. scrophulariae*, but Mr. G. R. Crotch had asserted that it was *A. varius*, and so no further notice was taken of it. He had traced the origin of the pests mostly to one store in Boston, where they were found in second-hand carpets, and he said that when carpets were purchased they ought to be disinfected before use.]

* 843. REV. H. C. MCCOOK. Habits of *Formica rufa*. p. 199-200. [Nov., 1876.]

Manner in which ants, replete with honey-dew, yielded this honey-dew as food to other ants; amity between ants from separate nests; ants which had been wet were not recognized as friends.

* 844. H. C. MCCOOK. On Webs of New Species of Spiders. p. 200-201. [Nov., 1876 and Jan., 1877.]

Describes the web of *Epeira triaranea* n. sp., showing characteristics of the webs of Orbitelariae, Retitelariae and Tubitelariae combined, and of *Tegenaria philoteichos*, showing characteristics of the webs of Orbitelariae and Tubitelariae combined; remarks upon webs made by other spiders, which show a combination of the characteristics of several orders.

* 845. J. L. LÉCONTE. Report on Insects introduced by means of the International Exhibition. p. 267-271. [Jan., 1877.] — Also separate. 8vo. pg. 6. [Dec., 1876.]

No results evil to the agricultural interests of the United States are to be expected. Differences in the condition of the exhibits from different countries. List of 13 (9 identified) Coleoptera, 2 (identified, or 3) Tineidae, 4 (not identified) Hymenoptera, collected in the Centennial Buildings in Foreign Exhibits. List of 9 (8 identified) Coleoptera and 1 (? identified) Tineid, found in Mouldy Specimens of Straw Goods from Italy.

* 846. JAMES RIDINGS. Report of the Conservator of Entomological Section. p. 392-394. [Febr., 1877.]

Business. The American Entomological Society constitutes, in its relation to the A. N. S. Ph., the Entomological Section of the latter; though the A. E. S. and the Section work under different titles, they are essentially one and the same. The A. E. S. holds two semi-annual meetings for the transaction of its own business; all its other stated meetings are those of the Section. Meetings are held on the evening of the second Friday of every month.

The **Memoires de la Societe Royale des Sciences de Liege**, sér. 2, T. iv (1874), contain No. 847; T. v (1873) contains No. 848.

* 847. ERNEST CANDEZE. Révision de la Monographie des Elatérides. Premier Fascicule. 8vo. pg. viii, 218. [Aug., 1875.]

Difficulty of making a natural classification; geographical distribution and the modification of typical forms in accordance therewith; notice of Ed. Janson's collection, upon which this work is based; nomenclature resp. priority and orthography; variations within specific limits. Proposes the generic name *Acrocryptus* in place of *Cryptotarsus* [Philippi, 1873] pre-occupied; describes "158" (*Adelocera coeca* and *A. adspersa* from Guatemala, *Dilobitarsus inopinus*, *Chalcolepidius Jansoni* and *Semiotus chontalensis* from Nicaragua, *D. Eloini* from Central America, *Ch. Jekeli* from ? Central America, *Lacon calamitosus*, *L. Truquii*, *Ch. Boucardi* from Mexico, and *Ch. aurulentus* from Southern California = 11 N. A.) n. spp. and enumerates respectively 36, 14, 34 and 0 N. A. spp. of *Agrypnites*, *Alaites*, *Chalcolepidites* and *Oxynopterites*.

* 848. AUG. CHEVROLAT. Mémoire sur les Cléonides. 8vo. pg. viii, 118. [Aug., 1874.]

Acknowledgments; synonyms. Cleonidae distinguished from Lixidae; some characters and probable food-plants of Cleonidae. Describes 41 (*Exochus*, *Plagiographus*, *Stephanophorus*, *Temnorhinus*, *Cossinoderus*, *Pyenodactylus*, *Cylindropterus*, *Trachydemus*, *Centrocleonus*, *Tetragonothorax*, *Gonocleonus*, *Neocleonus*, *Apleurus*, *Pseudocleonus*, *Priorhinus*, *Cnemodontus*, *Xanthochelus* = 17 new) genera and 114 (3 N. A.) spp., of which 77 (*Apleurus fossus* and *A. Boucardi* from Mexico and *A. quadrilineatus* from Texas = 3 N. A.) spp. are said to be new. Enumerates, in an appended catalogue, 306 ["305"] (4 N. A.) spp., distributed in 41 (1 N. A.) genera, and 50 (5 N. A.) spp. of genera unknown. Recapitulates the genera geographically.

* 849. J. A. LINTNER. The New Carpet Bug Pest. The [Albany, N. Y.] *Argus*, vol. 1, No. 18,760, Oct. 21, 1876.

Anthrenus scrophulariae now first detected in the U. S.; its ravages.

The **Bull. U. S. Geol. and Geogr. Surv. Terr.**, [see Rec., Nos. 564-573], vol. ii, from p. 279, contains nothing entomological; vol. iii contains Nos. 850 to 860.

* 850. A. R. GROTE. Notes on a Collection of Noctuid Moths made in Colorado in 1875 by Dr. A. S. Packard, Jr. p. 115-120. [April, 1877.]

Geographical distribution and synonymy of the 11 N. A. species of *Oncocnemis*; describes *O. obliqua* n. sp. from Nevada. Enumerates about 15 species from Colorado; describes *Hadena diversilineata*, *Heliophila pergracilis* = 2 n. spp.

* 851. V. T. CHAMBERS. The Tineina of Colorado. p. 121-142. [April, 1877.]

"A compendium of all that has been published upon the subject to this time" [see Rec., Nos. 341, 343, 441, 449]. Describes *Anesychia discostrigella*, *Nothris?* *bimaculella*, *Gelechia serratipalpella*, *G. pedmontella*, *G. gly-*

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cyrhizacella, *G. amorphacella*, *G. monumentella*, *G. trilineella*, *G?* *ocellella*, *G?* *anarsiella*, *G. ochreostrigella*, *G. bicostomaculella*, *G. triocellella*, *G. collinusella*, *Argyresthia montella*, *A. quercicolella*, *A. altissimella*, *A. pedmontella*, *Coleophora basistrigella*, *C. artemisicolella*, *Batrachedra clemensella* ["= *B. pracangusta* Haw."], *Laverna?* *coloradella*, *Lithocolletis amorphacella*, *L. amphicarpeacella*, *Eurymome albella*, *Bucculatrix albella* = 26 n. spp.; enumerates 73 determined species besides several undetermined larvæ, with notes on food-plants, comparative descriptions of related species and statistics and remarks upon the geographical distribution of the species.

* 852. V. T. CHAMBERS. Notes on a Collection of Tineid Moths made in Colorado in 1875 by A. S. Packard, Jr., M.D. p. 143-145. [April, 1877.]

Describes *Gelechia packardella*, *Blepharocera*, *B. haydenella* = 1 n. g., 2 n. spp.; enumerates 13 recognized species, with notes on geographical distribution.

* 853. V. T. CHAMBERS. On the Distribution of Tineina in Colorado. p. 147-150. [April, 1877.]

Notes on the altitude at which various species occur, the dependence of Tineina upon special food-plants, and the comparison in dimensions and color between Eastern and Western specimens of the same species.

* 854. A. S. PACKARD, JR. On a new Cave Fauna in Utah. p. 157-169, fig. 5-10. [April, 1877.]

Description of Clinton's Cave at Great Salt Lake, and of the insects and mollusks found in it; describes *Nemastoma troglodytes* (fig. 5), *Polydesmus cavicola* (fig. 6), found in the cave, and *Scotolemon robustum* (fig. 8), found in Colorado not in a cave = 3 n. spp.; notes upon the habits and affinities of these and the [1] other species [*Tomocerus plumbea* var. *alba*] found, upon the geographical distribution of the genera, and upon "the evolution theory."

Note on a Beetle and Larva found in a cave at Maniton, Colorado; occurrence of *Diclidia laetula* and of three larvæ [here described] (fig. 9) perhaps of the same species, in the cave, and of *Blepharoptera defessa* (fig. 10) [here described by Osten Saeken] n. sp., near the entrance; the *Blepharoptera* occurs also in various caves in Kentucky.

Nos. 29 and 30 were issued Nov. 10, 1876.

No. 31 was issued Nov. 22, 1876.

No. 32 { p. 217-220, was issued March 6, 1877.
p. 221-244, was issued July 16, 1877.
p. 245-248, was issued July 25, 1877.

Nos. 33-34 were issued June 8, 1877.

Nos. 35-38 were issued July 9, 1877.